

AFCESA A-GRAM



AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

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THREAT BASED PROJECT DEVELOPMENT CRITERIA FOR AIR FORCE FACILITIES

The nature of site planning, project development, and facility design continues to evolve as the perceived threats to installations change. Threats vary in type and method of execution from the basic (natural disaster, criminal activity, and riot) to the extreme (theater missiles/artillery and tactical forces). Programming for

facilities, or facility assets, against a range of threats. The document is used to conduct a vulnerability assessment of facilities and then to program for the appropriate level of response. There are checklists and weighting factors to assist the programmer with selection of a prioritized and balanced approach to facility construction.

32-1084, Air Force Standard Facility Requirements provides additional guidance on the use of hardened facilities. This manual is also (FOUO) and distribution limited.

Air Force Regulation (AFR) 88-22, Structures to Resist the Effects of Accidental Explosions, renumbered as AFMAN 32-1148 (I), is used for the design of buildings that are to be used for the storage of explosives. The document is not available in electronic format because of the size (more than 1000 pages) and it is no longer published in hard copy. Pending publication, information from the manual can be provided on an as required basis for authorized users.

Copies of and additional information about the above publications can be obtained from:

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the correct solution in a limited resources environment requires careful balance between the perceived risk and the mitigation.

Three publications are available through AFCESA to the civil engineer that will assist in the development of a planned and prioritized approach.

Air Force Manual (AFM) 32-1071, Vol. 1, Security Engineering Project Development, provides criteria for protecting

The manual is published as three volumes. Volumes 2 and 3 are for the conceptual design and final design solutions, respectively. The manual is For Official Use Only (FOUO) and is distribution limited. The manual is not on Air Force publication lists. The manual is being re-published under AFMAN 32-1146 V1 (I).

Air Force Pamphlet (AFPAM) 32-1147 (I), Design and Analysis of Hardened Structures to Conventional Weapons Effects (DAHS CWE), is used to evaluate existing buildings proposed for hardening or for the design of new hardened buildings. Hardened buildings are intended to protect an asset within the building against a threat. AFH